Confidential

MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, SYRIA

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

DECEMBER, 1943

J. A. BROWN, DIRECTOR

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MAR 25 1944
WEATHER BUREAU

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DECEMBER 1943

METEOROLOGICAL REGISTER

Date	Barometer reduced to oC Sea level and 45 Latitude 700 mm. + ...				Thermometer Cent.					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	62.5	61.1	62.2	61.9	23.3	17.9	20.5	22.9	19.4	20.9
2	3.0	2.3	3.4	2.9	23.2	17.3	20.2	22.3	18.7	20.4
3	4.3	3.8	4.2	4.1	22.8	18.1	19.6	21.3	18.9	19.9
4	5.1	3.7	4.0	4.3	22.0	17.3	20.2	21.5	20.5	20.7
5	4.3	3.4	4.3	4.0	21.7	17.2	18.9	21.1	18.2	19.4
6	65.4	63.9	64.1	64.5	21.2	16.2	19.0	20.5	18.3	19.3
7	4.7	3.3	4.7	4.2	21.1	16.1	18.3	20.2	17.0	18.5
8	6.6	6.0	7.1	6.6	21.0	15.1	18.4	19.4	17.2	18.3
9	9.1	7.4	8.0	8.2	20.0	15.8	17.6	19.4	16.2	17.7
10	8.5	6.9	8.8	8.1	22.0	16.8	17.6	19.4	17.7	18.2
11	70.3	68.9	69.4	69.5	21.3	16.7	18.8	19.9	17.8	18.8
12	68.6	7.1	7.1	7.6	21.3	17.3	18.5	20.4	19.0	19.3
13	6.0	4.6	4.1	4.9	22.3	17.9	19.0	21.4	18.8	19.7
14	3.5	1.8	2.3	2.5	22.2	16.1	18.7	21.2	17.4	19.1
15	1.8	0.3	0.4	0.8	21.2	15.7	17.8	20.3	17.3	18.5
16	59.5	57.6	58.6	58.6	18.7	13.4	15.8	17.3	14.4	15.8
17	9.6	9.0	60.5	9.7	18.9	13.1	15.4	17.8	13.6	15.6
18	61.6	61.6	2.5	61.9	17.0	13.9	15.4	15.1	14.2	14.9
19	4.4	3.3	4.5	4.1	17.5	12.9	14.8	14.7	14.6	14.7
20	6.0	5.9	7.9	6.6	16.6	11.2	14.9	15.4	14.8	15.0
21	68.9	67.3	66.8	67.7	15.7	11.7	12.7	14.9	12.7	13.4
22	4.2	1.9	59.8	2.0	16.2	11.4	12.9	15.2	14.4	14.2
23	0 6	1.0	62.8	1.5	14.8	13.4	13.4	14.3	14.1	13.9
24	6.5	6.4	6.9	6.6	17.5	12.3	14.2	15.4	14.6	14.7
25	7.7	7.0	4.7	6.5	17.9	11.8	15.1	15.4	13.4	14.6
26	64.3	62.9	63.4	63.5	18.0	11.7	13.9	16.6	13.9	14.8
27	4.1	2.7	2.7	3.2	17.4	12.5	14.4	16.3	14.0	14.9
28	3.2	2.5	3.8	3.2	19.0	14.8	15.5	17.3	15.6	16.1
29	3.3	2.5	2.0	2.6	19.3	13.4	17.7	17.8	15.6	17.0
30	2.6	59.8	1.2	1.2	16.6	12.2	13.9	16.4	14.1	14.8
31	0.6	60.8	1.7	1.0	18.0	12.2	15.9	13.9	14.1	14.6
	64.54	63.44	63.99	64.00	19.53	14.43	16.74	18.22	16.14	17.02

Barometer, range for month 757.6 — 770.3 mm.
,, 62-yr. average for month 763.25 mm.
Thermometer, range for month 11.2° C — 23.3° C.
,, 62-yr. average for month 15.9° C.
Rain, total for month 195.33 mm.
,, , 62-yr. average for month 186.94 mm.
,, , total, from Sept. 1st. 267.46 mm.
62-yr. average, total from Sept. 1st. 370.33 mm.

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METEOROLOGICAL REGISTER

Date	Elasticity of Vapor mm.				Relative Moisture per cent.				Sun. hrs.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	14.0	14.1	12.6	13.6	78	68	75	74	9.2	104.0	
2	11.7	14.0	13.6	13.1	65	69	85	73	9.2	140.8	
3	13.6	13.7	13.4	13.6	80	72	82	78	6.9	828.8	
4	11.8	12.6	12.8	12.4	67	66	71	68	8.3	712.0	
5	16.2	12.1	11.7	13.3	69	65	76	70	9.3	136.0	
6	12.3	12.3	12.3	12.3	76	69	79	75	5.3	216.0	
7	9.9	11.1	10.9	10.6	63	62	76	67	9.2	360.0	
8	8.7	9.6	9.0	9.1	55	56	62	58	9.3	248.0	
9	9.0	8.9	8.6	8.8	60	52	64	59	8.6	184.0	
10	9.0	8.9	14.1	10.7	60	52	95	69	0.3	696.0	4.57
11	12.8	14.6	13.8	13.7	80	85	91	85	7.2	136.0	20.83
12	12.0	14.1	12.3	12.8	76	79	76	77	3.6	248.0	
13	10.8	14.9	13.7	13.1	66	78	84	76	3.9	156.8	
14	9.6	14.8	11.6	12.0	60	78	78	72	3.5	120.0	
15	9.6	13.1	11.7	11.5	63	74	79	72	5.5	244.8	
16	12.2	13.6	11.6	12.5	93	93	93	93	0.0	264.0	23.87
17	11.7	11.6	11.3	11.5	91	77	96	88	2.0	264.0	8.67
18	12.2	11.9	11.5	11.9	94	94	96	95	0.6	712.0	38.36
19	11.3	11.5	11.1	11.3	90	92	89	90	0.0	603.2	28.45
20	8.7	8.4	7.9	8.3	68	65	63	65	0.9	496.0	4.83
21	7.6	7.9	8.2	7.9	70	63	76	70	7.2	488.0	
22	9.2	9.5	11.5	10.1	83	74	94	84	0.0	384.0	3.51
23	10.8	11.6	10.3	10.9	93	95	86	91	0.0	456.0	16.51
24	9.2	9.5	9.5	9.4	77	73	77	76	7.5	464.0	
25	9.5	9.6	9.1	9.4	74	73	79	75	7.8	304.0	
26	8.3	9.5	8.4	8.7	71	67	71	70	8.2	280.0	
27	7.5	9.1	8.7	8.4	61	66	73	67	6.7	208.0	
28	8.7	9.2	7.5	8.5	67	63	58	63	8.6	136.0	
29	9.1	11.2	9.7	10.0	60	74	74	69	5 3	264.0	
30	11.0	9.9	11.0	10.6	92	72	92	86	0.0	504.0	11.18
31	9.9	11.7	10.6	10.7	74	99	88	87	0.2	616.0	34.55
	10.57	11.43	10.96	10.97	73.4	73.0	79.9	75.5	4.97	360.46	6.30

Height of Barometer above sea level: 33.7 meters.
„ „ Thermometers above ground:
Dry and wet 1.55 m.; Max. 1.75 m.; Min. 1.70 m.
Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.
Time of readings minus 2 hours equals G.C.T.
62 year averages are for period, 1875-1936

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METEOROLOGICAL REGISTER

Date	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	0:30		
1	6cu-ni	6cu	0	4.0	0	0	0	light	
2	0	0	0	0.0	0	1sw	0	„	
3	8cu	0	1ci	3.0	0	3n	0	slight	G. at night
4	0	3cu	2ci	1.7	3n	4ne	2n	„	
5	0	0	0	0.0	0	1nw	0	„	
6	1cu	9cu	4cu	4.7	0	0	1ne	light	
7	1cu	0	0	0.3	1n	2sw	0	„	
8	1cu	0	0	0.3	1n	2n	0	slight	First snow visible
9	3cu	8ci	0	3.7	0	1n	1n	light	on mts.
10	10cu	10cu	10ni	10.0	1sw	3sw	0	„	
11	0	2ci	10cu	4.0	0	1sw	0	slight	
12	1ci	10cu	6cu	5.7	1sw	1sw	1ne	light	
13	0	10cu	5ci	5.0	0	1e	0	slight	
14	8cu	10cu	0	6.0	1se	0	0	„	
15	5cu	0	6cu	3.7	0	1sw	0	light	
16	10ni	10ni	2ni	7.3	0	0	2sw	slight	
17	10ni	4cu	10ni	8.0	0	2sw	1sw	„	
18	10ni	9ni	10ni	9.7	2sw	1sw	1sw	mod.	
19	10ni	10ni	10ni	10.0	0	1sw	2sw	„	
20	10cu	9cu	9cu	9.3	1sw	1nw	2nw	„	
21	8cu	3cu	0	3.7	1nw	2nw	0	mod.	
22	10ni	10ni	10ni	10.0	0	2ne	0	„	Tr. of rain a.m.
23	10ni	10ni	10ni	10.0	0	2w	2nw	„	
24	0	0	0	0.0	2ne	3n	1n	„	Tr. „ „ a.m.
25	0	2ci	0	0.7	1n	1n	0	slight	
26	0	0	0	0.0	1n	1n	0	slight	
27	0	9cu	1cu	3.3	1n	0	0	„	
28	3ci	0	0	1.0	0	0	0	„	
29	2cu	3cu	0	1.7	0	1n	0	„	
30	10ni	10cu-ni	10ni	10.0	1sw	3sw	1sw	mod.	
31	9cu	10ni	10ni	9.7	2sw	4sw	1sw	„	
				4.72					

* Abbreviations :— G = gale ; H = haze ; M = mist ; T = thunderstorm ; D = dew. W = strong wind.

NUMBER OF DAILY WIND OBSERVATIONS

Time	N	NE	E	SE	S	SW	W	NW	Calm	Total
8:30	6	1	0	1	0	6	0	1	16	31
14:30	7	2	1	0	0	11	1	3	6	31
20:30	3	2	0	0	0	6	0	2	18	31
Totals	16	5	1	1	0	23	1	6	40	93

Number of days with rain 11, fog 0, thunderstorms 0, gale 1.

62 yr. av. days with rain during month 13.4 days